



Resistor Necktie

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TOOLS:

- [Cutting mat / work surface \(1\)](#)
- [Iron \(1\)](#)
- [Needle and thread \(1\)](#)
- [Rotary cutter \(1\)](#)
- [Scissors \(1\)](#)
- [Sewing machine \(1\)](#)
- [Sewing pins \(1\)](#)



PARTS:

- [Fusible interfacing \(1\)](#)
- [Satin tie fabric \(1 yd\)](#)
[in colors to match your favorite resistor](#)

SUMMARY

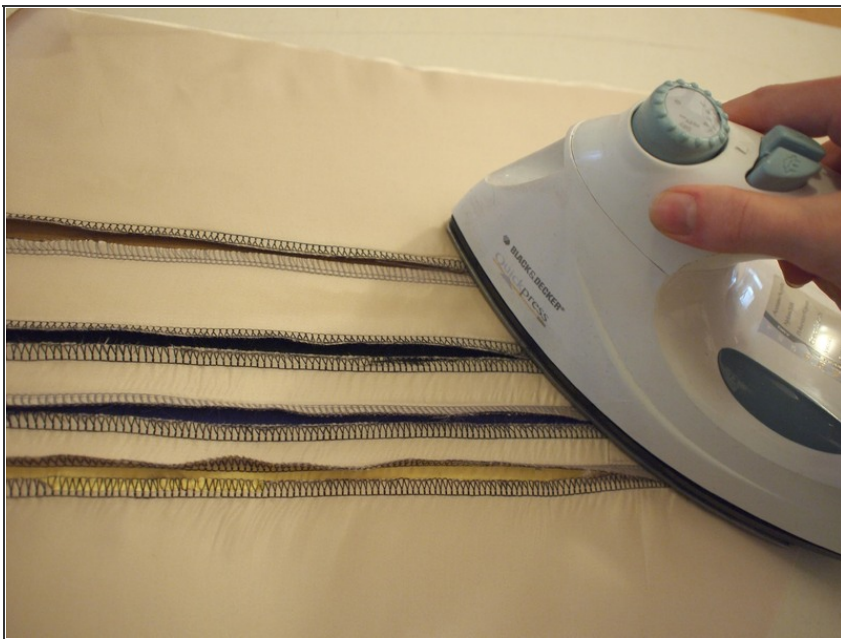
Construct a basic long necktie with stripes to represent your favorite value of resistor - fashion inspired by the electronics bench! Learn to work with slippery fabrics cut on the bias.

Step 1 — Resistor Necktie



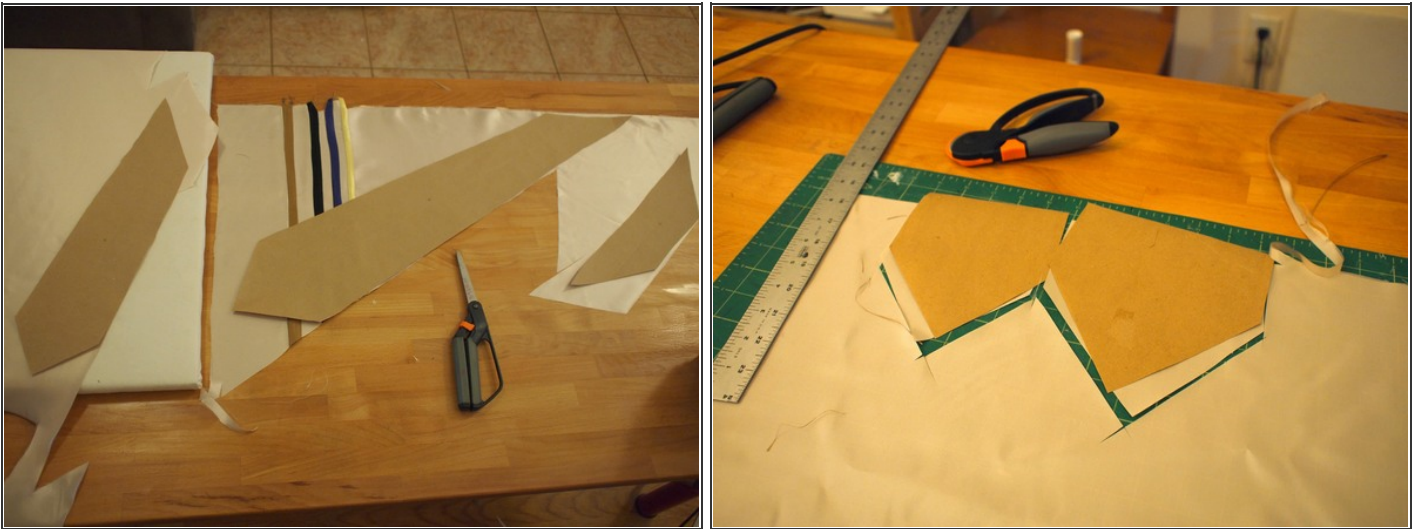
- Gather materials and tools.
- There are many free tie patterns available online. I like the [Purl Bee's print-at-home pattern](#).

Step 2



- Cut stripes from each colored fabric with the grain and reassemble a single piece of striped fabric.
- I used a serger to keep things tidy.
- Press the seam allowances towards the colored stripes.
- My stripes are a half inch wide with a quarter inch of seam allowance on each edge, and I left about 5 inches at the end of the "champagne" colored fabric that's meant to represent the ceramic body of the resistor.

Step 3



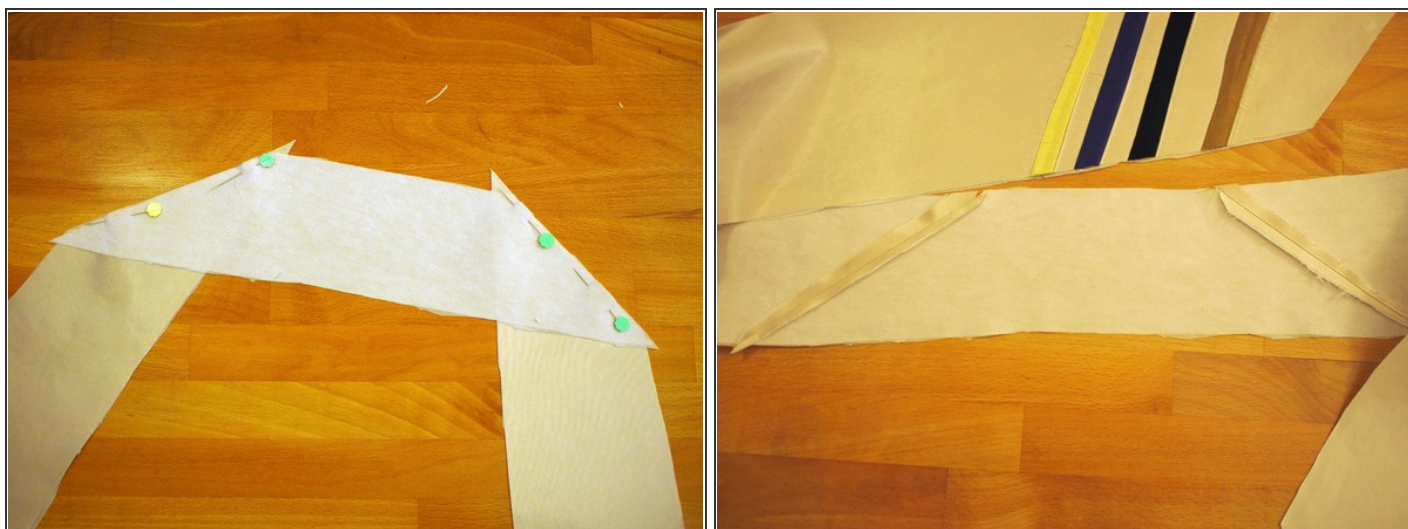
- Fold your fabric into a triangle to find the bias-- a 45 degree angle from the grain of the woven threads.
- Lay out and cut the three main tie pattern pieces along this bias. A tie cut with the grain would try to twist on itself instead of draping flat and straight.
- It's less important that the two lining pieces be cut on the bias, so try it both ways if you're curious about the effects.

Step 4



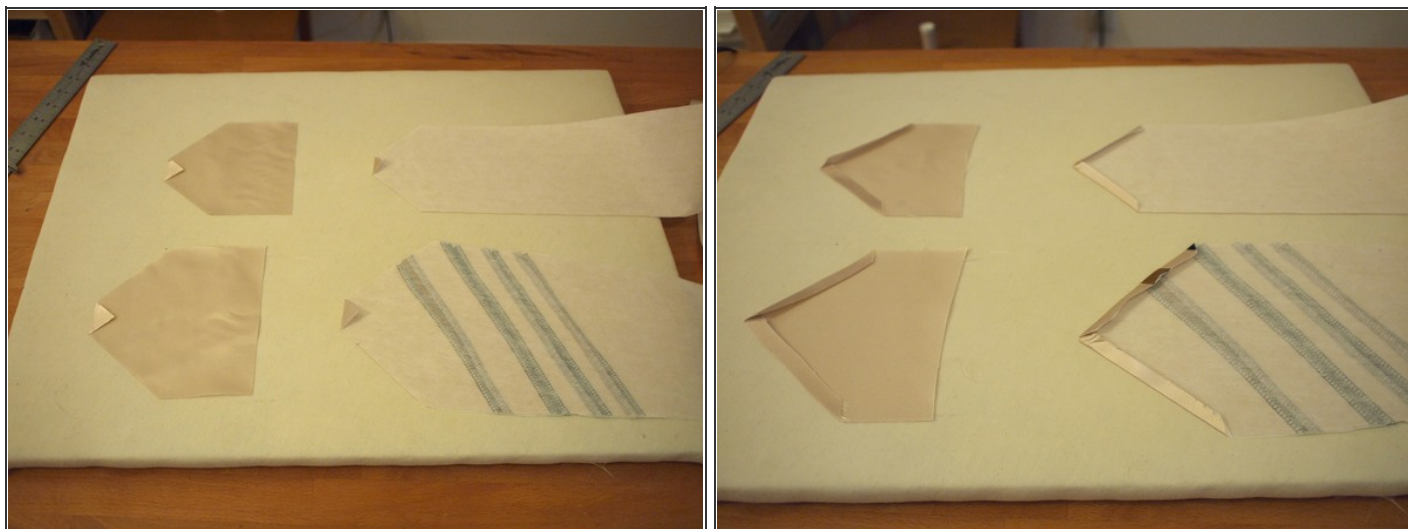
- Press iron-on interfacing to the wrong side of the cut pattern pieces.
- I used parchment paper to protect my ironing surface from sticky residue.
- Cut the pattern pieces from the interfacing.
- Use a low iron setting for synthetics with no steam.

Step 5



- Pin pattern pieces to line up at 1/2" seam allowance.
- Use a straight stitch to sew the seams and press them flat with your iron.

Step 6



- Press up each point about 1/4 inch.
- Press a 1/4 inch seam allowance along the nearby edges of both main and lining pieces.

Step 7



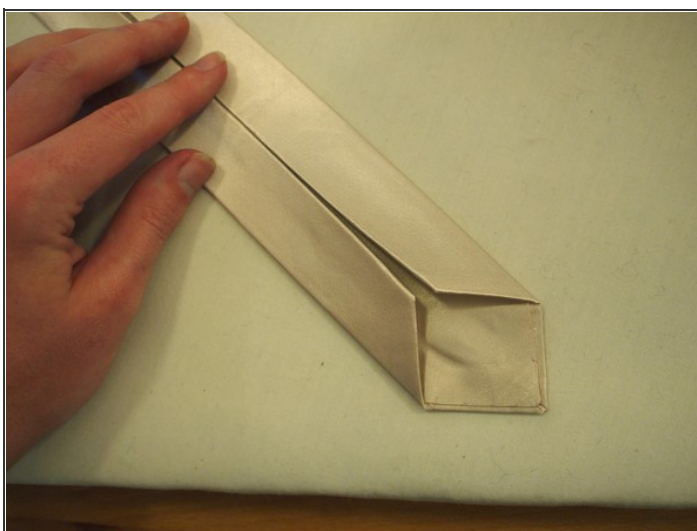
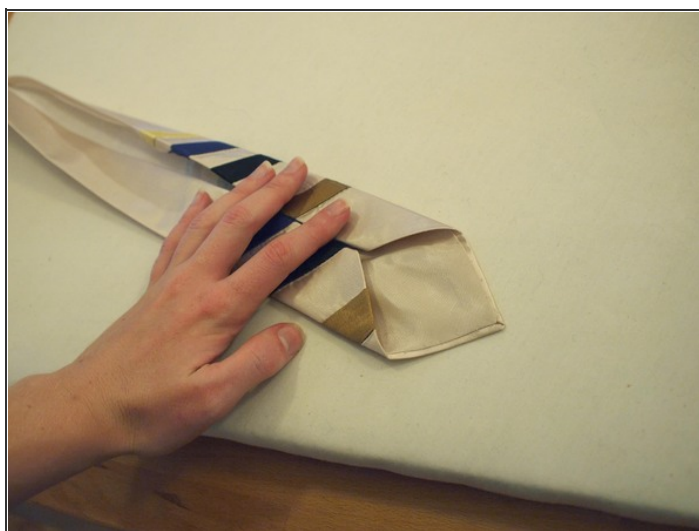
- Pin the linings to the main tie with the recently pressed edges hidden inside.
- Use an invisible stitch to secure these lining pieces to the main tie.

Step 8



- Press a 1/4 inch seam allowance along both long edges of the tie.
- If your tie fabric is very thin, install a piece of thick collar interfacing inside this fold with the ends tucked behind the lining.

Step 9



- Fold these edges once more to meet in the center back of the tie.
- Press this fold along the length of the tie with your iron.

Step 10



- Use an invisible ladder stitch to join the seam along the length of the tie.

Step 11



- Wear to your next formal occasion.
- A high-quality tie is all about the details, so take your time and you'll end up with a really nice finished product.

This document was last generated on 2012-11-03 01:43:14 AM.